

Title (en)

A mounting arrangement for an electrical machine

Title (de)

Befestigungsanordnung für eine elektrische Maschine

Title (fr)

Agencement de montage pour une machine électrique

Publication

EP 2378630 B1 20171115 (EN)

Application

EP 11159533 A 20110324

Priority

GB 201006329 A 20100416

Abstract (en)

[origin: EP2378630A2] A mounting arrangement for locating a stator (10) within a casing (16) of a rotating machine comprises at least one mounting plate (12) adapted to engage with the stator (10) and the casing (16). The mounting plate (12) has a series of discrete apertures (20) therein. The apertures (20) extend through the plate (12) and are arranged in an array to provide a convoluted path which impedes the transmission of the dynamic forces through the plate (12) and into the casing (16). The apertures (20) render the plate (12) more resilient to the dynamic forces that the stator (10) experiences in operation. Each aperture (20) divides the plate (12) into portions which provide anisotropic stiffness in the radial and tangential directions.

IPC 8 full level

H02K 1/18 (2006.01)

CPC (source: EP US)

H02K 1/185 (2013.01 - EP US); **H02K 5/24** (2013.01 - EP US)

Cited by

DE102016104594A1; WO2017157384A1; WO2021209264A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2378630 A2 20111019; **EP 2378630 A3 20140430**; **EP 2378630 B1 20171115**; GB 201006329 D0 20100602; US 2011254390 A1 20111020; US 8890377 B2 20141118

DOCDB simple family (application)

EP 11159533 A 20110324; GB 201006329 A 20100416; US 201113071087 A 20110324